

FIG.1

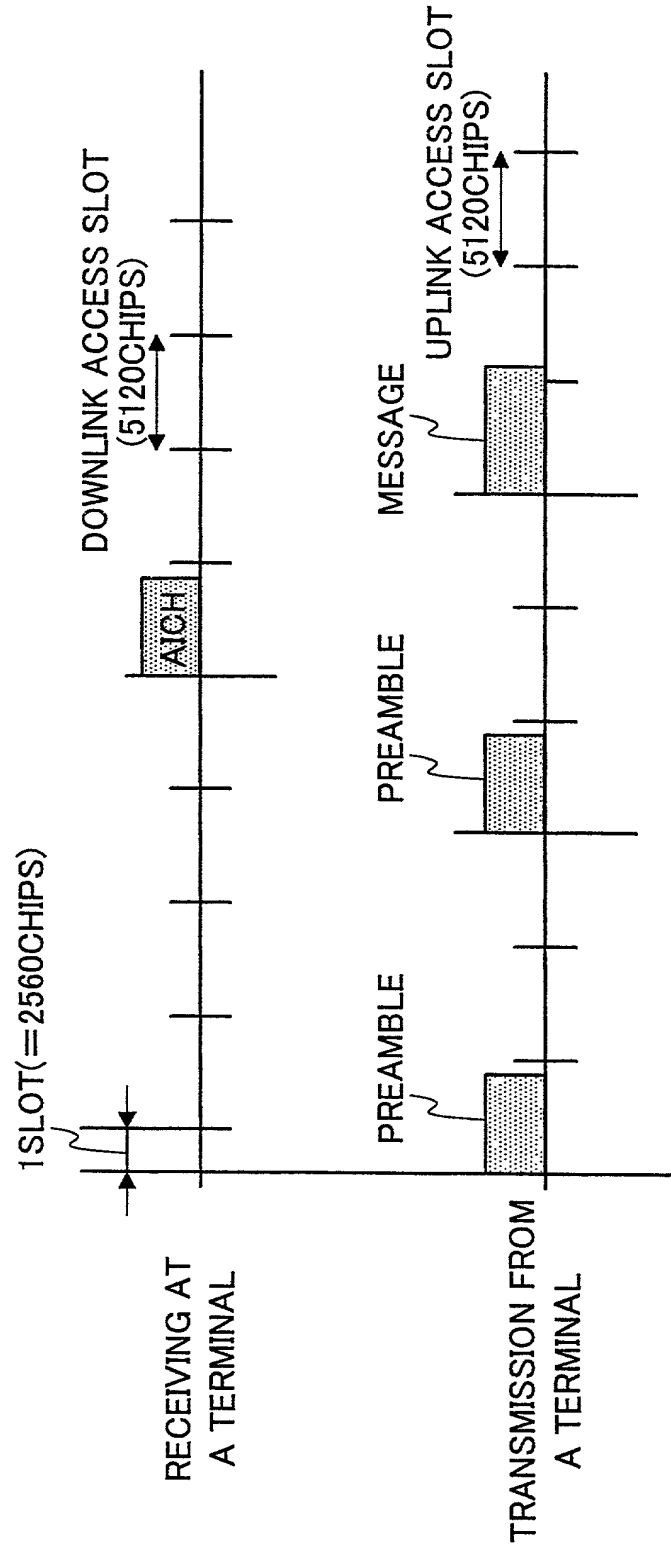


FIG.2

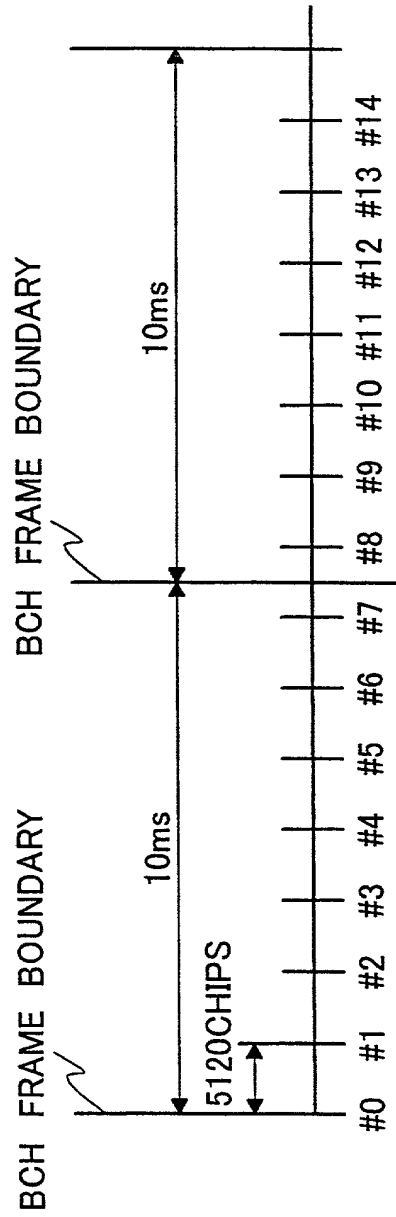


FIG.3

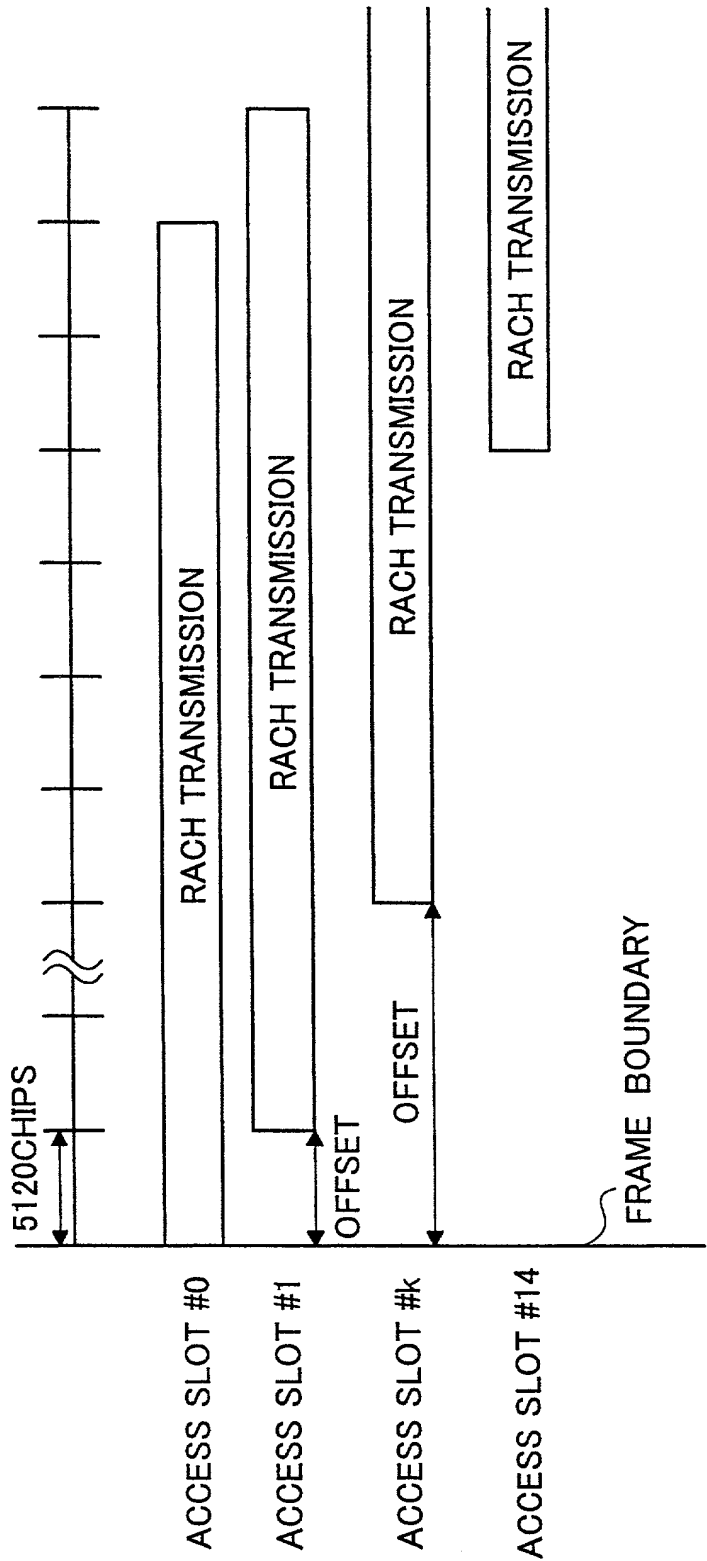


FIG.4

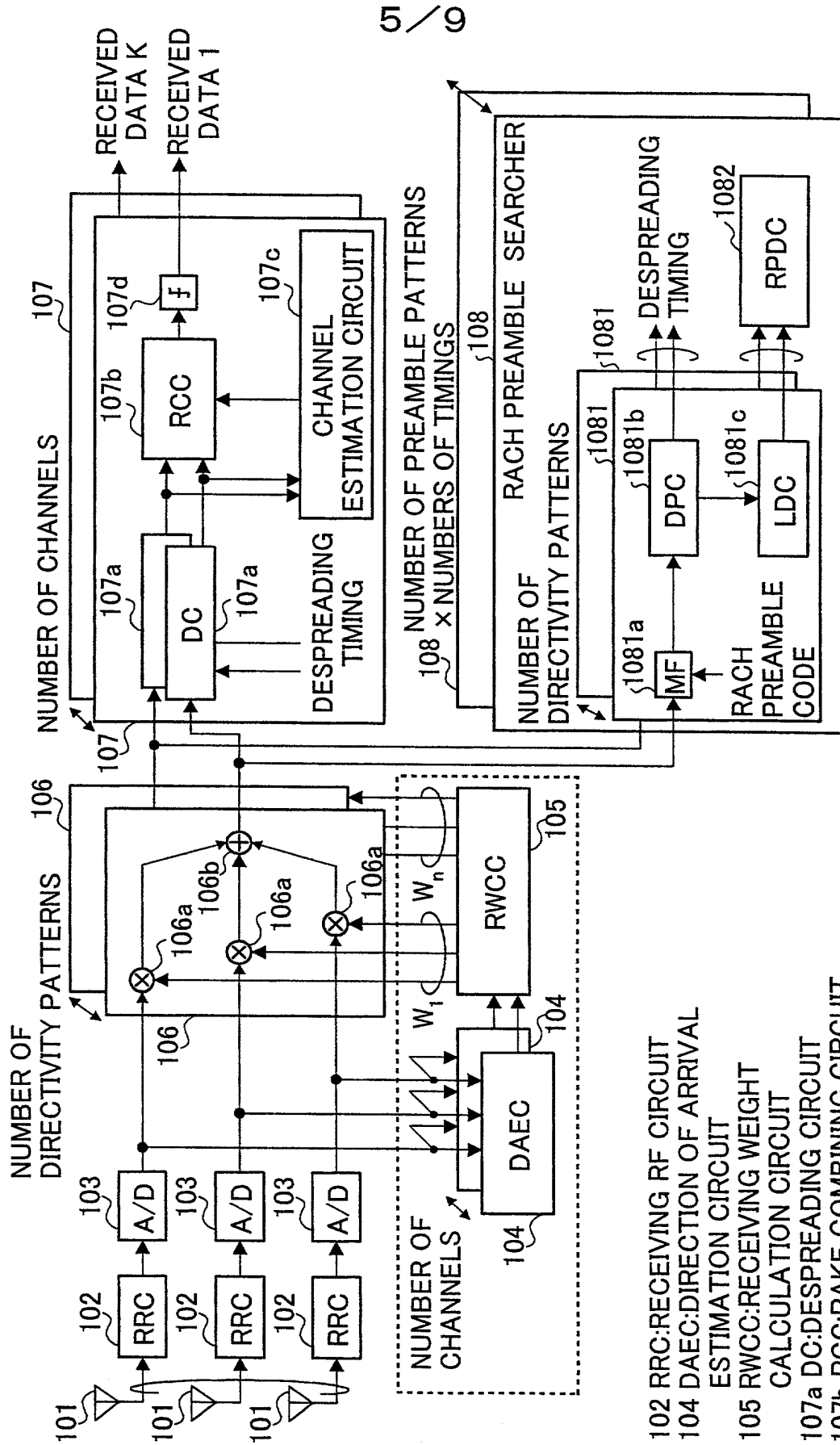


FIG.5

102 RRC:RECEIVING RF CIRCUIT
 104 DAEC:DIRECTION OF ARRIVAL
 ESTIMATION CIRCUIT
 105 RWCC:RECEIVING WEIGHT
 CALCULATION CIRCUIT
 107a DC:DESPREADING CIRCUIT
 107b RCC:RAKE COMBINING CIRCUIT
 1081b DPC:DELAY PROFILE CIRCUIT
 1081c LDC:LEVEL DETECTION CIRCUIT
 1082 RPDC:RACH PREAMBLE DETECTION CIRCUIT

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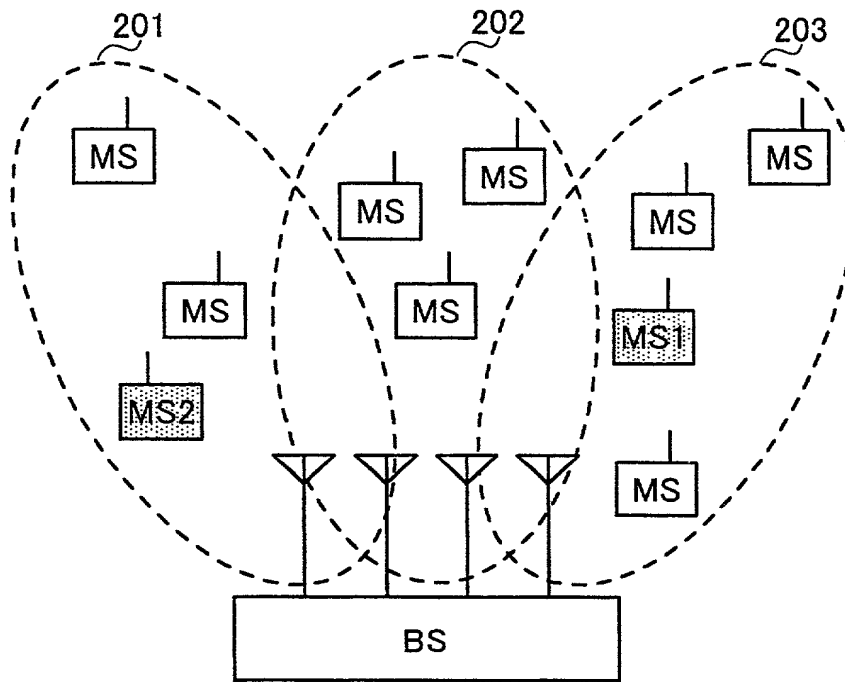


FIG.6

FIG. 7

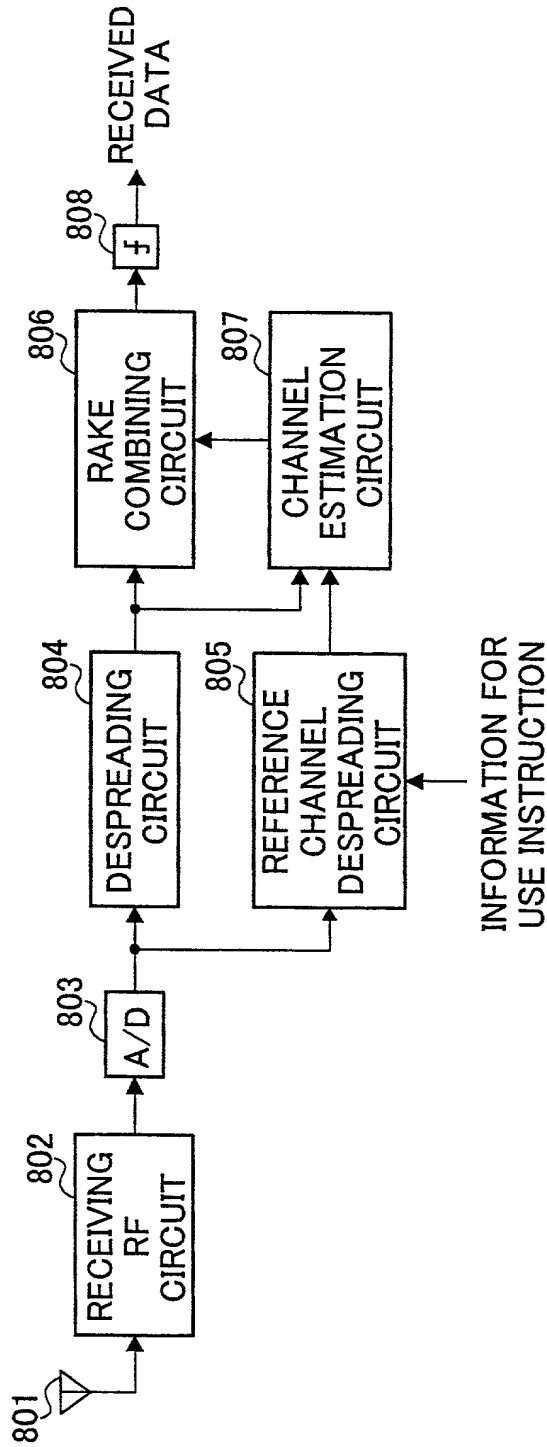


FIG.8

FIG.7

102 RRC: RECEIVING RF CIRCUIT

104 DAEC: DIRECTION OF ARRIVAL ESTIMATION CIRCUIT

105 RWCC: RECEIVING WEIGHT CALCULATION CIRCUIT

107a DC: DESPREADING CIRCUIT

107b RCC: RAKE COMBINING CIRCUIT

107c CEC: CHANNEL ESTIMATION CIRCUIT

108 P × T: NUMBER OF PREAMBLE PATTERNS × NUMBERS OF TIMINGS

1081 NDP: NUMBER OF DIRECTIVITY PATTERNS

1081b DPC: DELAY PROFILE CIRCUIT

1081c LDC: LEVEL DETECTION CIRCUIT

1082 RPDC: RACH PREAMBLE DETECTION CIRCUIT

302 TWCC: TRANSMISSION WEIGHT CALCULATION CIRCUIT

307 TRC: TRANSMISSION RF CIRCUIT

3033 TDPSC: TRANSMISSION DIRECTIVITY PATTERN SELECTION CIRCUIT

3034 TTCC: TRANSMISSION TIMING CONTROLLING CIRCUIT

3035 RCPSC: RACH CODE PATTERN SELECTION CIRCUIT

3031 RLCC: RECEIVING LEVEL COMPARISON CIRCUIT

3032 RDPSC: RECEIVING DIRECTIVITY PATTERN SELECTION CIRCUIT